

Report Date: 16 May 2014

**Summary Report for Individual Task
011-218-1012
Verify Aircraft Weight and Balance
Status: Approved**

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Rucker foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: Given crew WTs, payload WTs, takeoff fuel, aircraft configuration, aircraft weight and balance information, operators manual (C-12 series), and completed or blank DD Form 365-4, or electronic computer data sheet, IAW AR 95-1.

Standard: 1. Verify the DD Form 365-4 is current.

2. Verify that center of gravity (CG) and GWT remain within aircraft limits for the duration of the flight. Complete form, if applicable.

3. Identify all mission or flight limitations imposed by WT or CG.

Special Condition: None

Safety Risk: Medium

MOPP 4:

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Crew actions.

a. Select the completed DD Form 365-4 from the aircraft logbook, or electronic computer data sheet for the aircraft configuration load and mission. Verify/compute aircraft GWT and CG. Ensure aircraft GWT and CG will remain within the allowable limits for the entire flight. Note all GWT, loading task/maneuver restrictions/limitations.

b. If there is no completed DD Form 365-4 or electronic computer data sheet that meets mission requirements, refer to the unit weight and balance technician, TM 55-1500-342-23, or complete a new DD Form 365-4.

c. All crewmembers will be briefed on any limitations.

2. Procedures.

a. Identify the correct DD Form 365-4 for the configuration and fuel load.

b. Verify the aircraft CG in relation to CG limits for takeoff and landing.

c. Ensure loading is within zero fuel WT.

d. Verify ramp, takeoff, and landing WTs are within the aircraft limits.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Evaluation will be conducted academically.

Evaluation Preparation: Training will be conducted academically.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Verified the DD Form 365-4 is current.			
2. Verified that center of gravity (CG) and GWT remain within aircraft limits for the duration of the flight. Complete form, if applicable.			
3. Identified all mission or flight limitations imposed by WT or CG.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 1-1510-218-10	OPERATORS MANUAL FOR ARMY C-12C, C-12D, C-12T1, AND C-12C2 AIRCRAFT	No	No
	TM 1-1510-218-CL	OPERATORS AND CREWMEMBERS CHECKLIST FOR ARMY C-12C AIRCRAFT (NSN 1510- 01-070-3661);ARMY C-12D AIRCRAFT (1510-01-087-9129);ARMY C-12T AIRCRAFT (1510-01-470-0220)	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support

available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None